

Declaration of manufacturer Gears

Series	431F1..
Test Lab / Client	Gerhard Geiger GmbH & Co.KG., Schleifmühle 6, 74321 Bietigheim-Bissingen, Germany
Standard	DIN EN 14203 (D) July 2004 , Blinds and Shutters – Capability for use of gears with crank handle – Requirements and test methods

Test data

Family of products	Venetian blind (EN 13659)		
Gear type	bevel gear	Reduction ratio [i]	1,2:1
Torque M_S [Nm]	2	Efficiency [η]	0,65

Technical specifications

Forced operation test	carried		
Test effort $P_{F(N)}$	60 (10,8 Nm)	Cycles	15
		Passed	Yes

Number of achieved cycles	3.000 (endurance class 1)
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This gear series is in conformity with the requirements of the directive DIN EN 14203 dated July 2004.

Divergence from the norm:

Due to the strong thermal load at the test rig, the outflow of tiny amounts of lubricants is unavoidable.

Bietigheim-Bissingen, 06.09.2019



Roland Kraus (General Management)